

Claims

1. A flame retardant thermoplastic composition comprising:

- 5 (a) an aromatic polycarbonate resin present at a level of from 60 to 90 percent by weight based on the total weight of the composition,
- 10 (b) a vinyl aromatic-unsaturated nitrile-diene rubber graft copolymer present at a level of from 8 to 15 percent by weight based on the total weight of the composition,
- (c) a vinyl aromatic-unsaturated nitrile rigid resin present at a level of from 1 to 10 percent by weight based on the total weight of the composition,
- 15 (d) a phosphate present at a level of from 3 to 15 percent by weight based on the total weight of the composition; and
- 20 (e) a tetrafluoroethylene polymer present at a level of from 0.05 to 2.0 percent by weight based on the total weight of the composition, wherein said diene rubber of said graft copolymer is present at a level of from 6 to 12 percent by weight based on the total weight of the composition.

2. The composition of Claim 1 wherein said polycarbonate resin is a bisphenol A polycarbonate resin.

3. ~~The composition~~ of Claim 2 wherein said graft copolymer is an acrylonitrile-butadiene-styrene graft copolymer having a rubber level of between 60 to 85 percent by weight based on the total

phosphate is an aromatic phosphate.

5. ~~The composition~~ of Claim 1 wherein said aromatic polycarbonate resin is a combination of a moderate molecular weight polycarbonate and a low molecular weight polycarbonate.
6. ~~The composition~~ of Claim 5 wherein said vinyl aromatic-vinyl cyanide rigid copolymer is a styrene-acrylonitrile copolymer having a number average molecular weight of between 10,000 and 100,000.
7. ~~The composition of Claim 1~~ wherein said aromatic polycarbonate resin is present at a level of from 75 to 85 percent by weight based on the total weight of the composition, said graft copolymer being present at a level of from 8 to 10 percent by weight based on the total weight of the composition.
8. A flame retardant thermoplastic composition comprising:
 - (a) an aromatic polycarbonate resin present at a level of from 60 to 90 percent by weight based on the total weight of the composition,
 - (b) a vinyl aromatic-unsaturated nitrile-diene rubber graft copolymer present at a level of from 8 to 15 percent by weight based on the total weight of the composition,
 - (c) a vinyl aromatic-vinyl cyanide rigid resin present at a level of from 1 to 10 percent by weight based on the total weight of the composition,
 - (d) a phosphate present at a level of from 3 to 15 percent by weight based on the total

level of from 1 to 10 percent by weight

20 based on the total weight of the composition, wherein said diene rubber of said graft copolymer is present at a level of from 4 to 12 percent by weight based on the total weight of the composition,

25 wherein said aromatic polycarbonate resin is a combination of a moderate molecular weight polycarbonate having a weight average molecular weight of between 30,000 and 80,000 and a low molecular weight polycarbonate having a number average molecular weight of between 2,000 and 30 10,000,

wherein said vinyl aromatic-vinyl cyanide rigid copolymer is a styrene-acrylonitrile copolymer having a number average molecular 35 weight of between 10,000 and 100,000.

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